



Multifunctional Polymers and Their Composites: Design, Processing and Properties

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Message from the Guest Editors

Dear Colleagues,

Polymer nanocomposites combine the unique physical and chemical properties of nanofillers with the flexibility of polymers, playing an important role in many functional applications, including stealth, electromagnetic shielding, and thermal and conductive materials. Advanced polymer nanocomposites with superior performance have attracted more and more attention in the fields of aerospace, vehicles and ships, and civil engineering, especially in terms of the intelligent manufacturing and health monitoring of composite structures. We are eager to receive original contributions that focus on the following related topics:

- Surface modification and dispersion of nanomaterials;
- Interface design and control of multiscale composites;
- Sensor design and controllable standby;
- Sensor response mechanism;
- Manufacturing monitoring and process optimization of composite components;
- Structural health monitoring and fault early warning technology for composite components.





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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 5.0.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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